

DOCKET NO.: STMI07-02357
Customer No.: 23990



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : JOAQUIN TORRES ET AL.
U.S. Serial No. : 10/781,565
Filed : February 18, 2004
For : PROCESS FOR FABRICATING AN INTEGRATED
ELECTRONIC CIRCUIT THAT INCORPORATES AIR GAPS
Group No. : 2811
Examiner : Not Yet Assigned

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

The undersigned hereby certifies that the following documents:

1. Postcard receipt;
2. Information Disclosure Statement;
3. Forms PTO/SB/08A and PTO/SB/08B;
4. Copy of French Search Report; and
5. Eleven (11) references.

relating to the above application, were deposited as "First Class Mail" with the United States Postal Service, addressed to, MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on Sept 27, 2004.

Date: Sept 27, 2004

Kathy Hamilton
Mailer

Date: Sept. 24, 2004

William A. Munck
William A. Munck
Reg. No. 39,308

P.O. Drawer 800889
Dallas, Texas 75380
Phone: (972) 628-3600
Fax: (972) 628-3616
E-mail: wmunck@davismunck.com

DOCKET NO.: STMI07-02357
Customer No.: 23990



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : JOAQUIN TORRES ET AL.
U.S. Serial No. : 10/781,565
Filed : February 18, 2004
For : PROCESS FOR FABRICATING AN INTEGRATED
ELECTRONIC CIRCUIT THAT INCORPORATES AIR GAPS
Group No. : 2811
Examiner : Not Yet Assigned

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement. This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Forms PTO/SB/08A and PTO/SB/08B. These references were located during the Search Report issued in the related French Patent Application No. 03 01978, a copy of which is attached hereto. Copies of the listed references are submitted herewith.

<u>U.S. Patent No.</u>	<u>Inventor</u>	<u>Date</u>
6,245,658	Buynoski	June 12, 2001
6,306,754	Agarwal	October 23, 2001
5,461,003	Havemann et al.	October 24, 1995
6,265,321	Chooi et al.	July 24, 2001

<u>U.S. Publication No.</u>	<u>Inventor</u>	<u>Date</u>
2002/0028575	Besling et al.	March 7, 2002
2002/0089060	Morisaki et al.	July 11, 2002
2002/0090794	Chang et al.	July 11, 2002

<u>Foreign Patent No.</u>	<u>Country</u>	<u>Date</u>
EP 0 872 887 A2	Europe	October 21, 1998
2 784 230 (Abstract)	France	April 7, 2000

Publications

Kang-Yoon Lee et al., "Monte Carlo Simulation of Energy Dissipation in Electron Beam Lithography Including Secondary Electron Generation", J. Appl. Phys. 67 (12), June 15, 1990, Pp. 7560-7567.


Chung-Hui Chen et al., "A Novel Multi-Level Interconnect Scheme With Air As Low K Inter-Metal Dielectric For Ultradeep Submicron Application" Solid-States Electronics 45 (2001), Pp. 199-203.

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement.

Respectfully submitted,

DAVIS MUNCK, P.C.

Date: Sept. 24, 2004



William A. Munck
Registration No. 39,308

P.O. Drawer 800889
Dallas, Texas 75380
Phone: (972) 628-3600
Fax: (972) 628-3616
email: wmunck@davismunck.com

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/781,565
Filing Date	02/18/2004
First Named Inventor	Joaquin Torres
Art Unit	2811
Examiner Name	Not Yet Assigned
Attorney Docket Number	STMI07-02357

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	AH	EP 0 872 887 A2	10/21/1998	NEC Corp.		
	AI	FR 2 784 230 (Abstract)	04/07/2000			

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/781,565
				Filing Date	02/18/2004
				First Named Inventor	Joaquin Torres
				Art Unit	2811
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	STMI07-02357

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BA	KANG-YOON LEE ET AL., "Monte Carlo Simulation of Energy Dissipation in Electron Beam Lithography Including Secondary Electron Generation", J. Appl. Phys. 67 (12), June 15, 1990, Pp. 7560-7567.	
	BB	Chung-Hui Chen et al., "A Novel Multi-Level Interconnect Scheme With Air As Low K Inter-Metal Dielectric For Ultradeep Submicron Application" Solid-States Electronics 45 (2001), Pp. 199-203.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.